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	Application No.	Applicant(s)	
Notice of Allowability	10/672,395	YU ET AL.	:
	Examiner	Art Unit	:
	Thanh T. Nguyen	2813	:

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Notice of Allowability	Examiner	Art Unit	:
	Thanh T. Nguyen	2813	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS therewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIFE of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commu GHTS. This application is so	this application. If not incl nication will be mailed in d	uded ue course. THIS
1. This communication is responsive to 8/16/04.			:
2. The allowed claim(s) is/are 1 and 3-33.			
3. \boxtimes The drawings filed on <u>26 September 2003</u> are accepted by	the Examiner.		: : :
 4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" on the priority documents have This is a supplication of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" on the priority documents have This is a priority of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" on the priority documents have This is a priority of the priority documents have * Certified copies of	been received. been received in Application cuments have been received of this communication to file	n No in this national stage appl	· !
 5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 6. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date 	es reason(s) why the oath or t be submitted.	declaration is deficient.	ir NOTICE OF
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.			the back) of
each sheet. Replacement sheet(s) should be labeled as such in the	ne header according to 37 CFI	₹ 1.121(d).	ino Buok, or
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			d. Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Inf	ormal Patent Application (I	PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No./I	ımmary (PTO-413), Mail Date	; ; ;
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	8), 7. Examiner's	Amendment/Comment	:
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's : 9. □ Other	Statement of Reasons for A	Allowance
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REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Claims 1, 3-33 are allowed because none of the prior art teaches or suggests the particular subset of the process steps in forming depositing a metal seed layer on the diffusion barrier layer, removing the metal seed layer above the electroconductive layer by a first planarization process, forming a metal layer on the metal seed layer by a selective electrochemical deposition to fill the opening and performing a second planarization process o that the metal layer becomes coplanar with the dielectric layer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh Nguyen whose telephone number is (571) 272-1695, or by Email via address Thanh. Nguyen@uspto.gov. The examiner can normally be reached on Monday-Thursday from 6:00AM to 3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead, Jr., can be reached on (571) 272-1702. The fax phone number for this Group is (703) 872-9306.

Art Unit: 2813

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956 (See MPEP 203.08).

Thanh Nguyen
Patent Examiner
Patent Examining Group 2800

TTN